

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

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Title of Invention

Optical device for LED based lamp

Application Number : 10/816228

Confirmation Number: 7326

First Named Applicant: Julio Chaves

Attorney Docket Number: 3084.028

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Examiner: Laura K. Tso

Search string: (1399973 or 3760237 or 3774021 or 3938177 or 4638343 or 4727457 or 5055892 or 5438453 or 5528474 or 5557471 or 5580142 or 5865529 or 5898809 or 6139166 or 6201229 or 6350041 or 6361190 or 6488392 or 6502964 or 6504301 or 6547400 or 6580228 or 6621222 or 6679621 or 6786625 or 6796698 or 6803607 or 6811277 or 6896381 or 2362176 or 2908197 or 4211955 or 4388673 or 4464707 or 4727289 or 5655830 or 6019493 or 20050117125 or 20050129358).pn



US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	1399973	1921-12-13	Limpert			
	2	3760237	1973-09-18	Jaffe			
	3	3774021	1973-11-20	Johnson			
	4	3938177	1976-02-10	Hansen, et al.			
	5	4638343	1987-01-20	Althaus, et al.			
	6	4727457	1988-02-23	Thillays			
	7	5055892	1991-10-08	Gardner, et al.			
	8	5438453	1995-08-01	Kuga			
	9	5528474	1996-06-18	Roney, et al.			
	10	5557471	1996-09-17	Fernandez			
	11	5580142	1996-12-03	Kurematsu, et al.			
	12	5865529	1999-02-02	Yan			
	13	5898809	1999-04-27	Taboada, et al.			
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	18	6488392	2002-12-03	Lu			
	19	6502964	2003-01-07	Simon			

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	21	6547400	2003-04-15	Yokoyama			
	22	6580228	2003-06-17	Chen, et al.			
	23	6621222	2003-09-16	Hong			
	24	6679621	2004-01-20	West			
	25	6786625	2004-09-07	Wesson			
	26	6796698	2004-09-28	Sommers, et al.			
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	28	6811277	2004-11-02	Amano			
	29	6896381	2005-05-24	Benitez			
	30	2362176	1944-11-07	Swanson			
	31	2908197	1959-10-13	Wells, et al.			
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	34	4464707	1984-08-07	Forrest			
	35	4727289	1988-02-23	Uchida			
	36	5655830	1997-08-12	Ruskouski			
	37	6019493	2000-02-01	Kuo, et al.			

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20050117125	2005-06-02	Minano, et al.			
	2	20050129358	2005-06-16	Minano, et al.			

Signature

Examiner Name	Date